

**REPORT/RECOMMENDATION TO THE BOARD OF SUPERVISORS  
OF SAN BERNARDINO COUNTY, CALIFORNIA  
AND RECORD OF ACTION**

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June 3, 2003

FROM: **KEN A. MILLER, Director**  
Department of Public Works – Flood Control

SUBJECT: **CONTRACT FOR GEOTECHNICAL AND TECHNICAL SERVICES FOR SAN SEVAINE BASIN NO. 5 AND ETIWANDA CREEK CHANNEL INVERT REPAIR, CITY OF RANCHO CUCAMONGA**

RECOMMENDATION: Acting as the governing body for the Flood Control District (District): (1) Approve agreement with AMEC of Ontario in the amount of \$460,600 to provide Geotechnical and Technical Services for San Sevaire Basin No. 5 and Etiwanda Creek Channel Invert Basin construction project in the City of Rancho Cucamonga: (2) Authorize a contingency fund in the amount of \$46,060.

BACKGROUND INFORMATION: On May 20, 2003, the Board approved construction contract with SEMA Construction, Inc. for subject construction project. The project consists of construction of concrete outlet spillway, reinforced concrete box culvert (RCB), reinforced concrete pipe (RCP) and related excavation and embankment work. The basin portion of the project is under the jurisdiction of the State Division of Safety of Dams (DSOD). Due to DSOD requirements, specifications for the project require that compaction testing for embankment and backfill placed on the basin portion of the project be done by the "sand cone" test method. The Department normally uses the nuclear gauge method for compaction testing and no longer has equipment or certified technicians for the sand cone method. DSOD also requires that the subgrade and embankment be reviewed and approved by a Geologist. Also, due to Department work load commitments, material inspectors are not available for material testing and plant site inspections.

The Board approved issuance of Request for Proposals, dated February 25, 2003 for Geotechnical and Technical Services. These services required a Geologist to review the project's subgrade and embankment placement. In addition, Material Technicians will be required to perform concrete plant inspection, concrete testing, concrete cylinder testing; screen analysis and sand cone compaction testing. Forty-four Requests for Proposal were sent out and fifteen proposals were received on April 3, 2003. The following firms provided proposals: 1) AESCO Technologies, Huntington Beach; 2) United Inspection & Testing, Moreno Valley; 3) Delta group Consultants, Torrance; 4) AMEC Earth & Environmental, Ontario; 5) Smith-Emery Laboratories, Los Angeles; 6) Testing Engineers-San Diego, Inc., San Diego; 7) Geo-Environmental, Inc., Santa Ana; 8) Converse Consultants, Redlands; 9) URS, Santa Ana; 10) Petra, Costa Mesa; 11) Ninyo & Moore, Ontario; 12) Leighton Consulting, Chino; 13) RMA Group, Rancho Cucamonga; 14) Kleinfelder, Redlands; and 15) C.H.J. Inc., Colton. All of the proposals were reviewed by a committee on April 29, 2003.

Record of Action of the Board of Supervisors

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The Engineer's estimate was \$500,000; AMEC Earth & Environmental, Inc. was selected by the committee as the firm that provided the overall best proposal to provide these services and their costs are reasonable for this size project.

REVIEW BY OTHERS: This item was reviewed by Chief Deputy County Counsel Rex A. Hinesley on May 20, 2003 and by the County Administrative Office (Norm Kanold, Assistant Administrative Officer) on May 23, 2003.

FINANCIAL IMPACT: The cost of providing Geotechnical and Technical Services related to the Etiwanda Creek Channel Invert Repair is \$600 and San Sevaine Basin No. 5 is \$460,000 (\$188,600 Loan and \$271,400 Grant). Sufficient funds for these services are included in the Zone 1 FY 2002/2003 budget (RFD 091 091 200 2445 11F01193 and F01700). These services will be financed by the United States Bureau of Reclamation, Small Projects Act (loan and grant funds) and the Zone 1 General Fund for maintenance.

SUPERVISORIAL DISTRICT(S): 2nd

PRESENTER: Ken A. Miller, 387-7906

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